

IN THE CLAIMS:

Please substitute the following claim set:

1. (Currently amended) A method to improve language information processing and learning comprising:

prescribing for a human subject that has a ~~language information processing deficit~~ specific learning disability relative to normal individuals, a dose of an agent which increases acetyl choline or butyryl choline levels in brain, said dose effective to increase specific domains of language performance, wherein said subject does not have Down's Syndrome, schizophrenia, attention deficit hyperactivity disorder, Alzheimer's disease, Parkinson's disease, head injury, dementia, memory deficit, Wernicke-Korsakoff's disease, Tardive Diskenesia, vascular dementia, or depression.

2. (Currently amended) A method to improve language information processing and learning comprising:

administering to a human subject that has a ~~language information processing deficit~~ specific learning disability relative to normal individuals, a dose of an agent which increases acetyl choline or butyryl choline levels in brain, said dose effective to increase specific domains of language performance wherein said subject does not have Down's Syndrome, schizophrenia, attention deficit hyperactivity disorder, Alzheimer's disease, Parkinson's disease, head injury, dementia, memory deficit, Wernicke-Korsakoff's disease, Tardive Diskenesia, vascular dementia, or depression.

3. (Currently amended) The method of claim 1 or 2 wherein the human subject has a ~~chromosomal disorder~~ language impairment.

4. (Currently amended) The method of claim 1 or 2 wherein the human subject has a ~~chromosomal disorder~~ developmental aphasia.

5. (Currently amended) The method of claim ~~3~~ 1 or 2 wherein the human subject has dyslexia ~~chromosomal disorder is trisomy~~.

6. (Currently amended)The method of claim ~~3~~ 1 or ~~2~~ 4 wherein the human subject has minimal brain dysfunction ~~chromosomal disorder is fragile X syndrome.~~
7. (Currently amended)The method of claim ~~3~~ 1 or ~~2~~ 4 wherein the human subject has brain injury ~~chromosomal disorder is monosomy.~~
8. (Currently amended)The method of claim ~~3~~ 1 or ~~2~~ 4 wherein the human subject has perceptual handicaps ~~chromosomal disorder is a translocation.~~
9. (Cancelled)
10. (Original)The method of claim 1 or 2 wherein the subject is an adult.
11. (Original)The method of claim 1 or 2 wherein the subject is a child.
12. (Original)The method of claim 1 or 2 wherein the agent is cholinesterase inhibitor donepezil.
13. (Original)The method of claim 1 or 2 wherein the agent is cholinesterase inhibitor tacrine.
14. (Original)The method of claim 1 or 2 wherein the agent is cholinesterase inhibitor rivastigmine.
15. (Original)The method of claim 1 or 2 wherein the agent is cholinesterase inhibitor galantamine.
16. (Original)The method of claim 12 wherein the effective dose is about 1 to 10 mg/day.
17. (Original)The method of claim 13 wherein the effective dose is about 10 to 160 mg/day.
18. (Original)The method of claim 14 wherein the effective dose is about 0.5 to 15 mg/day.
19. (Original)The method of claim 15 wherein the effective dose is about 1 to 25 mg/day.
20. (Original)The method of claim 1 or 2 wherein the agent is a cholinergic agonist.
21. (Original)The method of claim 1 or 2 wherein the agent is a muscarinic receptor agonist.

22. (Original)The method of claim 1 or 2 wherein the agent is a nicotinic receptor agonist.
23. (Original)The method of claim 1 further comprising: prescribing educational therapy for said subject.
24. (Original)The method of claim 1 or 2 wherein the subject receives educational treatments for a specific learning disability.
25. (Original)The method of claim 1 or 2 wherein the subject receives educational treatments for a reading disability.
26. (Original)The method of claim 1 further comprising: prescribing language therapy for said subject.
27. (Original)The method of claim 1 or 2 wherein the subject receives language treatments.
28. (Original)The method of claim 1 further comprising: prescribing expressive language therapy for said subject.
29. (Original)The method of claim 1 or 2 wherein the subject receives expressive language treatments.
30. (Original)The method of claim 1 or 2 wherein the subject has a reading impairment and said agent increases reading performance.
31. (Original) The method of claim 1 or 2 wherein the subject has a pragmatics deficit and said agent increases pragmatics performance.
32. (Original)The method of claim 1 or 2 wherein the subject has a problem solving deficit and said agent increases problem solving performance.
33. (Original)The method of claim 1 or 2 wherein the subject has an information processing deficit and said agent increases information processing performance.
34. (Original)The method of claim 1 or 2 wherein the subject has an adaptive function deficit and said agent increases adaptive function.
35. (Original)The method of claim 1 or 2 wherein the subject has a social skills deficit and said agent increases social skills.

- 36. (Original)The method of claim 1 or 2 wherein the subject has an attention deficit and said agent increases attention.
- 37. (Original)The method of claim 1 or 2 wherein the subject has an employment performance deficit and said agent increases employment performance.
- 38. (Original)The method of claim 1 or 2 wherein the subject has a mood deficit and said agent improves mood.
- 39. (Original)The method of claim 1 further comprising the step of: diagnosing a verbal performance deficit prior to the step of prescribing.
- 40. (Original)The method of claim 2 further comprising the step of: diagnosing a verbal performance deficit prior to the step of administering.
- 41. – 48. (Cancelled)